Motorbid.com – Vehicle Auction Website

Peter Smith, Cezar Oranski, Kingsley Ekweari, Conor Doherty

# Introduction

General web auction sites such as eBay and specialist motor vehicle auction sites such as [www.british-car-auctions.co.uk](http://www.british-car-auctions.co.uk) have become a popular way for vehicle owners and buyers to directly transact whilst avoiding dealers commissions. Web auctions break down and remove the physical limitations of traditional auctions such as geography, presence, time, space, and a small target audience

# Project Goals

The project goal is to agile design and test driven develop a prototype enterprise motor vehicle auction web application using ASP.NET MVC 3 and C#. The auction model is a simple ascending bid English auction model where bids are open and free for all to see and the winner is the highest bidder and the price is the highest bid. The team intend to incorporate Entity Framework for Object Relational Mapping, Razor View engine, and Ajax into the site. Design patterns beyond MVC shall be incorporated where appropriate as these are identified. It is intended to deploy the site onto Azure for demonstration.

# Approach Strategy

The approach strategy is to adopt an agile approach to design and test driven development that emphasises close communication and cooperation amongst team members whilst keeping documentation lean. The documentation shall incorporate wireframes, storycards for use cases, UML object model, and testing approach.

# Key Functional Characteristics

The website is intended as a functional prototype of a vehicle auction site with minimal site data population and sparse look and feel. The key functional characteristics are

* Buyer and Seller Registration, Authentication, and Authorisation
* Seller List, Create, Edit, and Delete Vehicle Offer Listing
* Buyer Vehicle Category Browse
* Buyer Vehicle Detail Browse
* Buyer Vehicle Detail Add to Vehicle Watch List
* Buyer Vehicle Reserve Price Purchase
* Buyer Vehicle Bid Offer
* Vehicle Top Bid Accept at Bid Expiry Time
* Notification of Seller of Top Bid at Expiry Time or of Reserve Price Purchase

It is outside the scope of the project to incroporate anti-fraud measures such as escrowed funds based on item delivery or to connect the application to an actual payment gateway such as Paypal. It is also outside the scope of the project to incorporate buyer and seller ratings and reviews. All details of vehicle delivery are also outside the scope of the application.

# Project Deliverables

The main project deliverables are

* Website model, view, and controller code and tests
* Website seed database
* Lean Technical report
* Agile Project log
* Website demonstration on Azure and project presentation